

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) An electrolytic capacitor having a capacitor element fabricated by winding an anode foil, a cathode foil and a separator and impregnating the capacitor element with an electrolyte solution, an outer case for housing the capacitor element, and a sealing member for sealing an open part of the outer case, wherein that an electrolyte solution containing aluminum tetrafluoride salt is used as said electrolyte solution, and wherein a separator made of a heat resistant synthetic resin is used as the separator, wherein a partial cross-linking peroxide butyl rubber that peroxide is added as cross-linking agent to a butyl rubber polymer comprising a copolymer of isobutylene, isoprene, and divinylbenzene is used as the sealing member.

2. (currently amended) An electrolytic capacitor having a capacitor element fabricated by winding an anode foil, a cathode foil and a separator and impregnating the capacitor element with an electrolyte solution, an outer case for housing the capacitor element, and a sealing member for sealing an open part of the outer case, wherein that an electrolyte solution containing

aluminum tetrafluoride salt is used as said electrolyte solution, and wherein a mixed paper containing glass fiber is used as the separator, wherein a partial cross-linking peroxide butyl rubber that peroxide is added as cross-linking agent to a butyl rubber polymer comprising a copolymer of isobutylene, isoprene, and divinylbenzene is used as the sealing member.

3. (previously presented) An electrolytic capacitor according to claim 2, wherein an electrode foil subjected to a phosphate treatment is used as the anode electrode foil or the cathode electrode foil.

4. (previously presented) An electrolytic capacitor according to claim 2, wherein a partial cross-linking peroxide butyl rubber that peroxide is added as cross-linking agent to a butyl rubber polymer comprising a copolymer of isobutylene, isoprene, and divinylbenzene is used as the sealing member.

5. (previously presented) An electrolytic capacitor according to claim 1, wherein an electrode foil subjected to a phosphate treatment is used as the anode electrode foil or the cathode electrode foil.

6. (previously presented) An electrolytic capacitor according to claim 1, wherein a partial cross-linking peroxide

butyl rubber that peroxide is added as cross-linking agent to a butyl rubber polymer comprising a copolymer of isobutylene, isoprene, and divinylbenzene is used as the sealing member.